There Is No Largest Prime Number

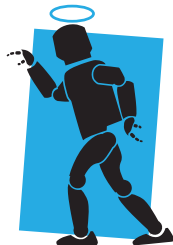Euclid of Alexandria

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Budapest

Óbudai Egyetem
Pro Sciencia et Futuro

Bejczy Antal iRobottechnikai
Központ

1. Newest results of Euclid:
   There Is No Largest Prime Number

2. Examples for figures/mathematical formulas

3. Language options

4. "Thank you for attention!" frame

> ### THEOREM: NO LARGEST PRIME NUMBER
> There is no largest prime number.

① Suppose p were the largest prime number.

> ### THEOREM: NO LARGEST PRIME NUMBER
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> There is no largest prime number.

1. Suppose *p* were the largest prime number.
2. Let *q* be the product of the first *p* numbers.

> **THEOREM: NO LARGEST PRIME NUMBER**
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> There is no largest prime number.

1. Suppose p were the largest prime number.
2. Let q be the product of the first p numbers.
3. Then $q + 1$ is not divisible by any of them.

> ### THEOREM: NO LARGEST PRIME NUMBER
> There is no largest prime number.

1. Suppose p were the largest prime number.
2. Let q be the product of the first p numbers.
3. Then $q + 1$ is not divisible by any of them.
4. But $q + 1$ is greater than 1, thus divisible by some prime number not in the first p numbers.

ÁBRA: Example for simple figure

g

g g g g g g

g

g

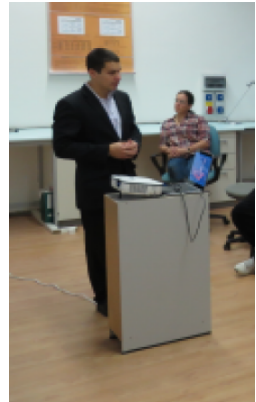The ABC Center for Intelligent Robotics is devoted to promote the scientific and technological advancement of robotics, primarily for service applications.

The ABC Center for Intelligent Robotics was created as a primary reply to the rising demand of integrated education and application-oriented development in robotics. It is an independent platform within the Óbuda University, extensively relying on a national and international network of key partner institutions and companies in Europe and North America, predominantly.

(a) Subfigure 1 caption

(b) Subfigure 2 caption

(c) Subfigure 3 caption

ÁBRA: Global figure caption

A "multline":

$$1 + 1 +$$

$$1 + 1 + 1 = 5 \quad (1)$$

An "align*":

$$1 = 1$$
$$1 + 1 = 2$$
$$1 + 1 + 1 = 3$$

An "equation*" in a "block"

PRODUCT

It is easy to see that
$$\sum_{n=1}^{N} 1 = N$$

Previous environments are defined with much space before/below them. It can be avoided by using inline equations via $ $,

or commands like \vspace{-2mm}.

(With positive arguments the space can be increased.)

The BARK logo and the footline appear automatically only if there is frametitle defined.

If it is not defined the `\showfootline` and `\showlogo` commands can be used to show them – if they are needed – as in this frame.

The footline shows the so called shorttitle and shortauthor if they are given (as `\title[A shorttitle]{A title}`, `\author[Shortauthors]{Authors}`) or the title / author if they are not (as `\title{A title}`, `\author{Authors}`).

The font type of titles on the titleframe can be set by applying command: \resettitlefonttype{cmss}

The font type of title/author/framenumber on normal frames can be set with the command: \resetframetitlefonttype{cmss}

For more details about available latex fontfamilies, see
https://www.sharelatex.com/learn/Font_typefaces
(E.g.: phv/cmss/lmbh...)

By using \usepackage[magyar]{babel} the logos, date format and thanks appear in hungarian,

by applying other options, as \usepackage[english]{babel} they are in english.

Finally the next dia shows the result of the defined \thankyouforattentionframe{The research was supported by...} command.
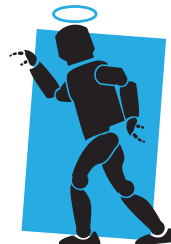
Köszönöm a figyelmet!

The research was supported by GP's & my free time. This very very very very long text is only to check the size of this textbox...

By the way, the theme is based on the Warsaw beamer theme of Till Tantau.

Best regards, J. Kuti